

From boatanchors@theporch.com Tue Apr 25 10:36:39 1995  
Date: Tue, 25 Apr 1995 09:08:45 -0500  
Message-Id: <199504251405.KAA17789@shiva.shiva.com>  
From: John Shriver <jas@shiva.com>  
Subject: Re: "Nixie" tubes

Speaking of Nixie tubes, does anyone have some Burroughs B-5859S nixie tubes? 0-9 with period, 1/2" diameter, side view. Used in the GenRad 1192 counter. Mine only has 5 of the possible 7 digits. Also, some of my nixies have leakage between the digits, leading to confusing readings at times.

(Of course, if I find these, then I need to find the missing DTL chips: Fairchild 946 quad 2-input gate and Fairchild 996 display drivers. Those are probably even harder to find! Of course, should I mention such solid-state devices on Boatanchors? The counter qualifies, Nixes are hollow-state!)

From boatanchors@theporch.com Tue Apr 25 10:58:05 1995  
Date: Tue, 25 Apr 1995 09:29:28 -0500  
Message-Id: <199504251424.JAA09429@is.rice.edu>  
From: linscot@is.rice.edu (Steve Linscott)  
Subject: Re: "Nixie" tubes

>Speaking of Nixie tubes, does anyone have some Burroughs B-5859S nixie  
>tubes? 0-9 with period, 1/2" diameter, side view. Used in the GenRad  
>1192 counter. Mine only has 5 of the possible 7 digits. Also, some  
>of my nixies have leakage between the digits, leading to confusing  
>readings at times.

>

>(Of course, if I find these, then I need to find the missing DTL  
>chips: Fairchild 946 quad 2-input gate and Fairchild 996 display  
>drivers. Those are probably even harder to find! Of course, should I  
>mention such solid-state devices on Boatanchors? The counter  
>qualifies, Nixes are hollow-state!)

John - I had a counter with four of the nine Nixies having decimal points. Two of the four had bad decimal points. The only spare Nixies I found didn't have decimals. The driver IC's grounded the decimal pin to turn it on, so I moved the wire from the decimal pin to a tiny LED that I had glued between the Nixies. I did all four so that they would look uniform. It worked like a champ!

73 de W5EGP - Steve -

\*\*\*\*\*

\* Steve Linscott                      Divisional Consultant - Natural Sciences \*  
\* IS User Services                      Rice University                      Houston, Texas \*  
\*\*\*\*\*

From boatanchors@theporch.com Tue Apr 25 13:03:21 1995  
Date: Tue, 25 Apr 1995 11:34:54 -0500  
Message-Id: <9504251628.AA05875@wrdis01.robins.af.mil>  
From: lakeith@wrdis01.robins.af.mil (Larry Keith )  
Subject: Re: "Nixie" tubes

While we are on Nixie tubes, I think I still have about 3 dozen  
ZM1000, NIB.. \$3.00 each or \$30/dozen.. or interesting trades...

73,

Larry, KQ4BY

From boatanchors@theporch.com Tue Apr 25 11:36:09 1995  
Date: Tue, 25 Apr 1995 10:03:47 -0500  
Message-Id: <9503257988.AA798821785@CCGATE.HAC.COM>  
From: jcreid@CCGATE.HAC.COM  
Subject: 11 Meter BA

Gang,

I picked up an interesting radio over the weekend at a local garage sale, a  
Browning R-27 citizens band receiver. While I'm not a denizen of the 11 meter  
band, this thing was just too neat and well made to pass up for \$5. It's chocked  
full of tubes including a couple of nuvistors. I'm interested in finding a  
schematic(Sams CB-10) for it and if anyone knows what the companion transmitter  
was. So far all this thing does is light the tubes. No sound. No picture.  
TIA.

-Jim

From boatanchors@theporch.com Tue Apr 25 12:54:43 1995  
Date: Tue, 25 Apr 1995 11:27:14 -0500  
Message-Id: <950425161343\_71333.144\_DHQ39-1@CompuServe.COM>  
From: don merz <71333.144@compuserve.com>  
Subject: BC-604 For Sale

BC-604 WWII Tank Transmitter, FM in the 27mhz-range. Really nice  
condition. Less crystals and dynamotor. \$75 or best offer

Don, N3RHT: 412-234-8819 EST weekdays

From boatanchors@theporch.com Tue Apr 25 15:19:10 1995  
Date: Tue, 25 Apr 1995 13:08:14 -0500  
Message-Id: <199504251804.AA22164@interlock.wdni.com>  
From: "Turini, Bill" <turinib@wdni.com>  
Subject: Collins 516F-2 question

Fellow BAers

Last night I powered on my new(old) KWM-2A and blew the fuse in the 516F-2.  
I pulled the fuse, but since I don't have any schematic for the 516F-2, I'm  
not sure it's the correct value. Can anyone help me out here?

Thanks

Bill KA4GAV/7 turinib@wdni.com (206) 924-5890  
Weyerhaeuser Co.

From boatanchors@theporch.com Tue Apr 25 11:35:16 1995  
Date: Tue, 25 Apr 1995 10:00:15 -0500  
Message-Id: <2F9D0D44@msmail.oafb.af.mil>  
From: "Lazaroff, Michael S., MSgt" <LAZAROMS@quasar.oafb.af.mil>  
Subject: RE: Collins Questions

Hi Bill,

I've been playing around with KWM2A's for a few years now. Congrats on your  
acquisition - they're great rigs.

Age: the serial number alone won't definitely tell you. I've been told  
that

the last few years they were made, the hams kept bugging the dealers for  
"the highest number" so on some production runs the factory mixed up the  
numbers.

You can get a real rough idea by whether the "Collins" emblem is a round  
one

or "winged". The "winged" emblem is older (late 50's/early 60's (?) and  
earlier).

You might also check the underside of the rig to see if it has the open  
telephone-  
style T/R relay or the smaller, plastic-encased solid state ones (later).

This isn't  
a definite way to date them however, because Collins did sell a conversion  
kit

(which BTW, is a real pain-in-the-rear to install <g>). Since not all the  
rigs were

converted, if you have the older relays that would be one clue, but remember the presence of new relays does not necessarily mean a newer rig. I don't remember when the newer relays were introduced, but I'm sure someone on the group will know and enlighten us.

I have manuals/schematics for the whole setup (KWM2A, 516F2, 312B4/5, MP-1, 30L1, 30S1, etc). Let me know what one(s) you need and I can get you an estimate of postage costs.

CP-1 crystals: Surplus Sales of Nebraska has (or at least recently they did!)

lots of extra crystals. I seem to recall they were going for \$8.00 each.

I've also had them made by a couple of the ham crystal manufacturers; they've always worked out OK. I know of no source for the "puller" tool. Over the years, I've seen a lot of the CP-1s but have never seen one with an authentic tool!

73 es have fun,

Mike KB3RG

-----  
>From: Turini, Bill  
To: Multiple recipients of list  
Subject: Collins Questions  
Date: Monday, April 24, 1995 11:21AM

I finally got my KWM-2A and now have a few questions:

1. The radio is in excellent physical shape, but the S/N tag has been removed. Any way of telling date of mfg/how old it is? There is "S/N 066" engraved with a vibrating tool on the inside top of the trim ring.
2. Is there a good source of Collins manuals/schematics? I have a 516F-2 and MP-1, but no schematics. I also have the NAVSEA Technical Manual. Is it the latest/best?
3. I bought a CP-1 from a (former) friend who said it was complete, but it's missing a few critical filters (like all WARC bands) and the puller tool. Is there a source for odd xtals and the tool?

Last night I turned off the room lights just to see the tubes glow. Finals don't glow. Guess I need to look at that :-)

73's

Bill KA4GAV/7 turinib@wdni.com  
Weyerhaeuser Co.  
(206) 924-5890 work  
(360) 825-1167 home

From boatanchors@theporch.com Tue Apr 25 06:12:15 1995  
Date: Tue, 25 Apr 1995 04:42:11 -0500  
Message-Id: <2F9D4E67@msgw.isoft.intranet.gr>  
From: Sifakis George <sifakis@isoft.intranet.gr>  
Subject: RE: CV-157 Sideband Converter Help?

Hello, proud CV-157 owner and congratulations on your aquisition. I think the CV-157 is now a collector's item, at least here in Greece, anyway. It is certainly one hell of a boatanchor! A few years ago I got one working and it still is. Its reliability and repairability has nothing to do with the R-390A. It is hard to repair and it develops problems. It is kind of fun however. It lets you hear good sideband from an AM receiver. It locks onto a station with the mechanical AFC. What your friend said about the LSB on the left and the USB on the right headphone is certainly true!

To answer most of your questions one would need the schematic and maybe the manual. Let me take a shot on some though:

> \* What is the function of the little 3-pin connector (with 115 VAC!)  
> inside the top right corner of the front panel?  
This sounds like an add-on. Doesn't exist on mine.

> \* How best to separate the upper and lower chassis, so I can get  
> to the main chassis' underside? Looks like jillions of screws.  
Boy, I've done that, but can't remember exactly how. I believe I just put everything on the side leaving the coax cables connected. The manual describes how to do it.

> 7-9 -- AGC to/from R390A. How vital is this? I do have the  
> special cable with connectors.  
You do need this connection in order to control the receiver AGC.

Anyway, tell me if you don't get help from anyone nearer and I'll do what I can. I believe I have the manual and the schematic, so you either collect all the questions and I answer them through the manual, or I mail it to you and you wait a couple of months to get it.

73, good luck and don't break your back with that monster!

George SV0KA

From boatanchors@theporch.com Tue Apr 25 12:24:07 1995

Date: Tue, 25 Apr 1995 10:56:24 -0500  
Message-Id: <9504251530.AA7713@hqsmtp.ops.3com.com>  
From: Joe Reda/HQ/3Com <Joe\_Reda@3mail.3Com.COM>  
Subject: D104 output impedance - redux

Thanks to all who responded! I probably should have mentioned, in my original posting, that the ol' D104 is being connected to a National NCX-5. Didn't think that rig would look quite right with a modern mic connected to it . . .

Joe KC6TXU

From boatanchors@theporch.com Tue Apr 25 17:08:38 1995  
Date: Tue, 25 Apr 1995 15:40:54 -0500  
Message-Id: <9504251627.aa01230@FSAC3.PICA.ARMY.MIL>  
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>  
Subject: Dayton Driving info

I am leaving for Dayton from South Jersey, via the Pennsy Pike

I heard there is construction on some of the major roads to Dayton

from East to west....Anybody know how travel conditions are????

Clark Fishman WA2UNN cfishman@pica.army.mil

From boatanchors@theporch.com Tue Apr 25 15:53:16 1995  
Date: Tue, 25 Apr 1995 14:24:36 -0500  
Message-Id: <950425191333\_702420.204300\_BHD40-11@CompuServe.COM>  
From: <Bryce\_Hooker.COMPUSERVE\_CORP@notes.compuserve.com>  
Subject: Directions to Dayton Hamfest needed

I'm headed for Dayton on Friday, and need directions to the Hamfest. I'll be driving, and know how to get to Dayton. I just need to know where the Hamfest is held.

Bryce

From boatanchors@theporch.com Tue Apr 25 13:16:18 1995  
Date: Tue, 25 Apr 1995 11:47:34 -0500  
Message-Id: <Pine.SUN.3.91.950425122925.25524B-100000@wabash.iac.net>  
From: Bill Strangfeld <bstrang@iac.net>  
Subject: Re: Gray History of Wireless Museum - Cincinnati

Thanks for the nice comments about our museum, Barry.

Yes, the gear is still there. Some exhibits have been rotated, and we reprinted a booklet that describes the gear. It is mostly from the very beginnings of wireless, up to the 1930s or 1940s. In addition to the items you mentioned, there is some National gear (e.g., SW-3, SW-5), an early Collins transmitter (4A, I think), lots of old tubes, WLW items, a breadboard transmitter from the 1920s, and more.

The building should be open on the Dayton weekend, even though it is normally closed on Saturdays and Sundays. This weekend, however, is the "action auction" fundraiser for WCET, and the person I just spoke to told me that it should be open from 9 to 5 both days.

The number Barry posted is still good: 513-381-4033. That is the receptionist at the WCET building. It still might be a good idea to call before you drive here.

The parking garage attendant's booth may be closed, but there is a machine that takes quarters after regular hours.

Anyone who would like information about what is there to see or directions about how to get there can contact me by email to bstrang@iac.net or by phone at 513-948-1071, evenings. After Wednesday, look for me at spaces 3261-62 in Dayton. I'm one of the trustees of the museum and will be glad to help.

73, Bill Strangfeld wb8yuw

From boatanchors@theporch.com Tue Apr 25 10:08:48 1995  
Date: Tue, 25 Apr 1995 08:40:52 -0500  
Message-Id: <199504251335.IAA07358@is.rice.edu>  
From: linscot@is.rice.edu (Steve Linscott)  
Subject: Hammarlund Manuals

The manuals have all been spoken for. Thanks to all who replied. I apologize for not posting a price, but I didn't know what to ask. A friend who deals in manuals said \$15.00 postpaid was fair, and that's what we ended up with. I should have called him first! Next week I'll start on the file cabinet, and see what's lurking in there.

73 de W5EGP - Steve -

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\* Steve Linscott Divisional Consultant - Natural Sciences \*  
\* IS User Services Rice University Houston, Texas \*  
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From boatanchors@theporch.com Tue Apr 25 03:45:44 1995  
Date: Tue, 25 Apr 1995 01:58:12 -0500  
Message-Id: <199504250654.BAA03583@uro.theporch.com>  
From: bgraham@tecnet1.jcte.jcs.mil  
Subject: Heath HV PS wanted

I'm in the market for a Heath HV PS, the HP-23 I believe it is... the AC operated one used with the HW101, the single banders, etc.

Bill

N5LMX/DA1WG

From boatanchors@theporch.com Tue Apr 25 16:01:48 1995  
Date: Tue, 25 Apr 1995 14:33:41 -0500  
Message-Id: <2F9D779B@vax-flcgr.stpete.honeywell.com>  
From: "Stiles, Bruce T (FL40)" <Tom.Stiles@stpete.honeywell.com>  
Subject: Information - where to look for?

I am new at the boatanchors collecting and would like to know if there are any publications on Antique radios in the form of books or monthly magazines. There seems to be a wealth of these items here in Florida (from retired persons) but I have little knowledge of the equipment.

Thanks in advance for your help.

Tom

From boatanchors@theporch.com Tue Apr 25 16:54:25 1995  
Date: Tue, 25 Apr 1995 15:25:28 -0500  
Message-Id: <9504252019.AA11391@uvs1.orl.mmc.com>  
From: padgett@tccslr.dnet.mmc.com (A. Padgett Peterson, P.E. Information Security)  
Subject: RE: Information - where to look for?

(no address given -sorry)

Tom: I am new at the boatanchors collecting and would like to know if there are any publications on Antique radios in the form of books or monthly magazines.

Am in Florida also - drop a line offline & I'll get you started offline - BA is mainly for hams & swls - if you are, fine but let's check first.

Warmly,  
Padgett  
padgett@tccslr.dnet.orl.mmc.com



From boatanchors@theporch.com Tue Apr 25 12:17:44 1995  
Date: Tue, 25 Apr 1995 10:49:49 -0500  
Message-Id: <2F9D4374@pcgateway.netrix.com>  
From: cgould <cgould@netrix.com>  
Subject: RE:LOCKTAL SOCKETS

Padgett Writes:

I need a way to do the above (one of the Loctal pins will be unused). Was told by someone that they had connected a 7 pin miniature plug to a Loctal socket but I have no idea where to get 7 pin plugs (AES has Loctal sockets but no 7 pin plugs). Need about 10 so that I can try using a Loctal tube in a miniature socket without butchering the chassis.

Padgett

Padgett ,

Since LOCTAL or LOCKTAL were around about 15 years before miniature, you might find it hard to find a LOCKTAL to MINI converter. What I suggest would be a lot of work but might do the job:

Find some good stiff wire or even better if you had some old 7 pin tubes that were burnt out and un-usable, you could break out the base on use it. Take a LOCTAL socket and a 7 pin socket. Solder stiff wires between the corresponding pins of the loctal and 7 pin socket. Insert the base of the old 7 pin tube into the 7pin socket. Solder the pins to the 7pin socket and then break off the remaining part of the base of the 7 pin tube. Use a pair of diagonal cutters or nippers to even up the pins. I don't have graphic capabilities to draw this and I hope it makes sense. Here is an attempt below to further clarify what I mean:

```
| Locktal socket |    <----Solder pins to 7 pin socket
|Inverted 7 pin socket|
|plug old 7 pin base in here| < Tricky but can be done solder pin into 7 pin
socket
```

Trim excess and carefully take off old base.

Hope this helps better yet hope you can find a converter.

73 Chuck  
ipyxw@netrix.com

From boatanchors@theporch.com Tue Apr 25 10:15:24 1995  
Date: Tue, 25 Apr 1995 08:46:50 -0500  
Message-Id: <9504251338.AA09304@uvs1.orl.mmc.com>  
From: padgett@tccslr.dnet.mmc.com (A. Padgett Peterson, P.E. Information Security)  
Subject: Loctal tube in 7 pin miniature socket

I need a way to do the above (one of the Loctal pins will be unused). Was told by someone that they had connected a 7 pin miniature plug to a Loctal socket but I have no idea where to get 7 pin plugs (AES has Loctal sockets but no 7 pin plugs). Need about 10 so that I can try using a Loctal tube in a miniature socket without butchering the chassis.

Warmly,  
Padgett

From boatanchors@theporch.com Tue Apr 25 11:10:25 1995  
Date: Tue, 25 Apr 1995 09:41:23 -0500  
Message-Id: <Pine.ULT.3.91.950425101801.2672B-1000000@dua150.kpt.emn.com>  
From: "Barry L. Ornitz" <ornitz@EMNGW1.emn.com>  
Subject: Re: Loctal tube in 7 pin miniature socket

On Tue, 25 Apr 1995 padgett@tccslr.dnet.mmc.com wrote:

> I need a way to do the above (one of the Loctal pins will be unused). Was  
> told by someone that they had connected a 7 pin miniature plug to a Loctal  
> socket but I have no idea where to get 7 pin plugs (AES has Loctal sockets  
> but no 7 pin plugs). Need about 10 so that I can try using a Loctal tube  
> in a miniature socket without butchering the chassis.  
>  
> Warmly,  
> Padgett

I still get confused reading this. Do you want to use a loctal tube in a radio designed for a 7-pin miniature tube? If so, the easiest way is to make an adapter using a loctal socket and a 7-pin plug. Since you could not find 7-pin plugs, locate a defective 7-pin tube and carefully break it (you always knew there was a use for burnt-out tubes didn't you?). Scratching the outside with a three-corner file will tend to give a cleaner break. Clean the guts out and sand the pins carefully. You may have to use an acid flux to tin the pins properly; if so, wash it well after tinning. Solder short jumpers to the loctal socket and attach to the pins. When you are satisfied, glom <good, descriptive engineering term meaning coat liberally> over the connections with epoxy or RTV-60 high temperature silicone.

Metal can octal tubes make especially good plugs too. BTW, I stay confused!

73, Barry WA4VZQ ornitz@emn.com

From boatanchors@theporch.com Tue Apr 25 13:49:14 1995  
Date: Tue, 25 Apr 1995 12:18:33 -0500  
Message-Id: <01HPR7NKFQB6A282PG@RANDB.PPRD.Abbott.Com>  
From: KANAMAA%AMGATE%MATRXA@randb.abbott.com  
Subject: Rare ARC 5's

>From: Kana, Michael (D9CY)  
Date: Tue, Apr 25, 1995 12:21 PM  
Subject: Rare ARC 5's  
To: bigboats  
Howdy all

Re the earlier thread about ARC 5 collections, has anyone ever come across the ARC 5 receivers that tune above 9mhz? I heard they existed but have never seen one. I was told that the production was alot less than the 3-6/6-9mhz sets. I have only seen one that covers the AM broadcast band. I have two that cover 160m but those seem kind of rare too. For transmitters, I have an SCR274 that was converted to 160m (it was a 2mhz version). It was a really nice conversion job with a recalibrated dial and all. I also have a Canadian unit for 80m that has been tastefully converted as well. Dont see too many of those....

73's de AA9IL  
Mike Kana

From boatanchors@theporch.com Tue Apr 25 13:23:38 1995  
Date: Tue, 25 Apr 1995 11:55:17 -0500  
Message-Id: <Chameleon.4.01.2.950425125121.jproc@>  
From: jproc@worldlinx.com  
Subject: RCK Receiver

Dear BA's,

I was successful in resurrecting an old World War 2 RCK receiver (110-160 Mhz AM). It receives signals properly, but the squelch function does not operate as it should. An incomming signal breaks the squelch like its supposed to and then the channel goes quiet when the signal disappears. This continues to work properly providing the input frequency is 'chatty'. When the channel returns to an idle state, the squelch 'decays' and the background noise slowly returns as if the squelch was not on at all. Before I tear into the RCK, I need to have a better understanding of the circuitry. Maybe there

is something basic that I have overlooked. Has anyone had experience with this unit? Does anyone know where I might locate a manual for this old BA?

Regards,

-----  
Jerry Proc, VE3FAB  
Radio Restoration Volunteer  
HMCS Haida  
E-mail: jproc@worldlinx.com  
Toronto, Ontario  
-----

From boatanchors@theporch.com Tue Apr 25 12:58:59 1995  
Date: Tue, 25 Apr 1995 11:30:43 -0500  
Message-Id: <2F9D21ED@smtpgate.rfc.comm.harris.com>  
From: "Gable, Edward M" <emg@rfpo2.rfc.comm.harris.com>  
Subject: RE: RE: LOCKTAL SOCKETS

Sounds like Padgett is working to fix his 1L6 problem.....

-----  
>From: boatanchors  
To: Multiple recipients of list  
Subject: RE: RE: LOCKTAL SOCKETS  
Date: Tuesday, April 25, 1995 10:57AM

Thats a good idea. Could even use a min socket as a fixture for the pins or even as a stiffener if inverted - hmmm.

Thanks,  
Padgett

From boatanchors@theporch.com Tue Apr 25 10:44:48 1995  
Date: Tue, 25 Apr 1995 09:16:07 -0500  
Message-Id: <950425141219\_71333.144\_DHQ78-1@CompuServe.COM>  
From: don merz <71333.144@compuserve.com>  
Subject: SCR-274N Trade Gear

More SCR-274N Command Set Equipment For Trade Or Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
412-234-8819 (weekdays, EST or leave a message anytime).  
71333.144@compuserve.com

BC-455-A 6 - 9.1mhz receiver. No top or bottom covers. The FT-230 area of the front panel is all chopped up. This is either a parts set or needs a new front panel. Tag alos missing. Black finish. \$10

BC-455-B 6 - 9.1mhz receiver, Western Electric, aluminum finish. All original--no mods. Small dent in top cover. Clean, original FT-230. Very good to excellent looking. Untested. Trade for unmodified, black finish R-xx/ARC-5 receiver in similar condition. Or trade for 2 black ARC-5 receiver dynamotors. Or trade for DY-8 modulator dynamotor. Or trade for unmodified 40 meter or 80 meter black T-xx/ARC-5 transmitter. Or sell to best offer. Trade preferred.

BC-454-B 3 - 6mhz receiver, Western Electric, aluminum finish. All original--no mods. 2 small snap-slide hold-downs missing on top cover. Clean, original FT-230. Very good to excellent looking. Untested. Trade for unmodified, black finish R-xx/ARC-5 receiver in similar condition. Or trade for 2 black ARC-5 receiver dynamotors. Or trade for DY-8 modulator dynamotor. Or trade for unmodified 40 meter or 80 meter black T-xx/ARC-5 transmitter. Or sell to best offer. Trade preferred.

BC-457-A transmitter, Western Electric, Aluminum finish, All original--no mods. Top cover is bent but easily straightened. Missing small High Voltage cover plate that covers 1625 tubes. Very nice. Trade for stuff noted above or sell to best offer.

BC-459-A transmitter, Western Electric, Aluminum finish, All original--no mods. No damage. Nothing missing. Excellent. Trade only for stuff noted above. Not for sale.

From boatanchors@theporch.com Tue Apr 25 13:34:42 1995

Date: Tue, 25 Apr 1995 12:07:00 -0500

Message-Id: <m0s3o0o-001804C@aupair.cs.athabascau.ca>

From: tech@cs.athabascau.ca (Richard Loken)

Subject: sources of roll charts and/or tube data for tube testers?

Are there any likely sources for such anywhere.

I have a Jackson 648 mutual conductance tube tester that won't test anything designed much after 1960.

This isn't usually a problem since it will test all my BA tubes including 6146's and 807's but last night I tried to run through a TV set full of useless series string late generation miniature tubes and compactrons and it had heard of only one of them. Therefore, newer tube data would be appreciated.

This is a neat tube tester: the schematic is dated 1947 and it uses a single 1S5 miniature diode/pentode tube: nothing at all like the TV7 / Hickock / Stark family.

-----

The reason I was testing the TV is a story in itself. I have a pile of dead TV's in the basement (half a dozen or more) which I will randomly open and

steal parts out of. Last night my wife got tired of working at the sewing machine in silence so she went to the pile and started plugging them in one by one until she found one that worked - I was amazed! None of them caught fire or anything neat like that... She found one that sort of worked and I naively said I would try to make it work better.....fool that I am. Contact cleaner will fix many of the problems but I think the some of the video tubes are at death's door.

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those  
Athabasca University : tuques we wear, our heads  
Athabasca, Alberta Canada : are naked!"  
\*\* tech@cs.athabascau.ca \*\* : - Aurthor Black

From boatanchors@theporch.com Tue Apr 25 13:41:52 1995  
Date: Tue, 25 Apr 1995 12:12:59 -0500  
Message-Id: <Pine.3.89.9504251359.B19181-0100000@world.std.com>  
From: Ralph R Preston <Wolfster@world.std.com>  
Subject: Re: sources of roll charts and/or tube data for tube testers?

Purchased at a local flea for \$25.00 one fair condition Central Electronics 10B. (A fool and his money...) Does anyone out there know how to make this thing play? It came with nothing except one plug in coil, unidentified, but probably 80 or 40. Now where's my GDO?

\*\*\*\*\*

Ralph R Preston W01F  
formerly: KA1RZP

Wolfster@world.std.com

Murphy's golden rule:  
He who has the gold makes the rules.

\*\*\*\*\*

From boatanchors@theporch.com Tue Apr 25 14:58:13 1995  
Date: Tue, 25 Apr 1995 13:29:12 -0500  
Message-Id: <Pine.SUN.3.91.950425131657.20464A-1000000@eiger.ceet.niu.edu>  
From: Steve Berg <berg@eiger.ceet.niu.edu>  
Subject: Re: sources of roll charts and/or tube data for tube testers?

On Tue, 25 Apr 1995, Ralph R Preston wrote:

> Purchased at a local flea for \$25.00 one fair condition Central  
> Electronics 10B. (A fool and his money...) Does anyone out there know how

> to make this thing play? It came with nothing except one plug in coil,  
 > unidentified, but probably 80 or 40. Now where's my GDO?  
 >  
 > \*\*\*\*\*  
 >       Ralph R Preston W01F  
 >       formerly: KA1RZP  
 >  
 >       Wolfster@world.std.com  
 >  
 >   Murphy's golden rule:  
 >       He who has the gold makes the rules.  
 >  
 > \*\*\*\*\*  
 >  
 >  
 Whay color are the plug in coils? My 10A uses red coils for 80, yellow  
 for 40, and green for 20 meters. I have some documentation on the 10A,  
 but no experience with the 10B's. Hope this helps.

73,

Steve WA9JML

From boatanchors@theporch.com Tue Apr 25 15:56:48 1995  
 Date: Tue, 25 Apr 1995 14:28:13 -0500  
 Message-Id: <Pine.SUN.3.91.950425122245.87773A-100000@crl4.crl.com>  
 From: Steven Wilson <randyw@crl.com>  
 Subject: Re: sources of roll charts and/or tube data for tube testers?

Hi Ralph, well you are in luck. Check The Radio Handbook put out by  
 Editors and Engineers now Sams. The 10 A was written up in 15th edition  
 and I expect many other editions. It is a phasing rig, 6AG7 output  
 tube. hi Runs between 5 and 10 watts. de stan ak0b

From boatanchors@theporch.com Tue Apr 25 12:06:28 1995  
 Date: Tue, 25 Apr 1995 10:37:42 -0500  
 Message-Id: <01HPR47ZYX8YEKG9N@tntech.edu>  
 From: cfm5723@tntech.edu (Conard Murray)  
 Subject: SP600 questions ?

Hello all!

I purchased a SP600JX14 last weekend at a tailgate meet. It looks OK and  
 sounds fantastic. Even came with a copy of the manual. All that for \$60! The  
 manual has an addendum for the LF version if anyone needs that info.

Now for my questions....

What significance is the '14' in JX14?

My unit was made to a 1952 contract and the filter cap is dated 12/51 but the MFP goop wasn't applied until late 1960 per a stamp on the tuning mechanism cover. Was this normal? Also, the serial number on the internal plate is different from the front panel plate. Finally, the tracking on my dial is off about 1/8 inch when adjusted on the endpoints. Is this normal?

Thanks and 73 ....

de Conard WS4S

Conard F.Murray, WS4S, NNN0UTN 615-372-3718  
R&D Engineer, Electrical Engineering Dept. cfm5723@tnitech.edu  
Tennessee Tech University, Cookeville, TN 38505

My other rig is a BA too...

From boatanchors@theporch.com Tue Apr 25 15:02:33 1995  
Date: Tue, 25 Apr 1995 13:32:50 -0500  
Message-Id: <199504251828.0AA08982@espresso.eng.umd.edu>  
From: Philip Gwynne McCoy <dgnova@Glue.umd.edu>  
Subject: SX-32

The SX-32 was a low cost version of the SX-28. The tuning condenser was different and I don't think it had the lamb noise silencer. The diagram is in Riders.

Philip McCoy W3SAK

>Reply-To: TOM.A.ADAMS@mail.admin.wisc.edu  
>From: TOM.A.ADAMS@mail.admin.wisc.edu  
<Subject: Unknown Hallicrafters?

> Anybody ever hear of a Hallicrafter's SX-32 receiver?

From boatanchors@theporch.com Tue Apr 25 02:02:14 1995  
Date: Tue, 25 Apr 1995 00:34:38 -0500  
Message-Id: <199504250531.WAA28795@mailhost.primenet.com>  
From: nx7u@primenet.com (Scott Townley)  
Subject: Tek o'scope info

Can anyone provide a chronology/features/capabilities list for the Tektronix 400-series and 7000-series oscilloscopes?

Mucho appreciato  
scott nx7u@primenet.com



From boatanchors@theporch.com Tue Apr 25 12:10:37 1995  
Date: Tue, 25 Apr 1995 09:53:50 -0500  
Message-Id: <199504251447.KAA18725@shiva.shiva.com>  
From: John Shriver <jas@shiva.com>  
Subject: Re: Tek o'scope info

Well, the 400 series of portable dual-trace scopes (from memory) is:

- 453 50 MHz, Nuvistor input, otherwise solid-state
- 454 85 MHz (maybe 100?), Nuvistor input, otherwise solid-state.  
According to Stan Griffiths (W7NI) book, the input amplifier  
is finicky and hard to calibrate.
- 455 50 MHz, solid-state. Rather common.
- 465 100 MHz, solid-state. Very common. Current price \$250-\$600,  
depending on condition, warranty, and markup.
- 466 100 MHz, storage, solid-state. Rare. Goes for about twice  
the price of a 465. Storage CRT's are short-lived, hard  
(expensive) to replace.
- 475 200 MHz, solid-state. Rarer than 465, less reliable, HV  
problems.
- 485 350 MHz, solid-state. Rare. Serious machine, only for those  
who really need it.

Another common 4xx scope is the 422. I think it's around 30 to 50  
MHz, designed as a very portable scope. Uses a weird line cord, be  
sure to get it. Many came with battery packs. (There is an optional  
battery pack for 465 and 475.)

Tek will not sell you parts for ANY of these scopes. Deane Kidd has  
some parts, but that's not an inexhaustable resource. Picking a  
common one (eg. 453, 465) is recommended, then you can cannibalize  
them for parts, particularly the CRT and HV supply.

The 455 and 465 come in versions with metal cases, and in ones with  
plastic cases. I suppose the plastic ones were lighter, but I'd go  
for the metal case one.

There is also a 465B. That's newer, and pricier. You can view the  
external trigger, giving you a very limited (5 V/cm) third trace.

To mess with the 7000 series, you really need an old Tek catalog.  
There are so many models, and so many plugins. You don't want to  
waste money on a fast vertical plugin to put it in a slow mainframe.

However, the 7000 series is getting very common in flea markets. They  
are getting old, and the digital scopes are really pushing them out of

the labs. Mainframes run \$100 to \$1000, plugins \$50 to \$300. There may still be some parts support for them from Tektronix. (But that's not cheap!)

There is also the 5000 series, which have rather limited bandwidth. It's worth the small premium for the 7000 series.

From boatanchors@theporch.com Tue Apr 25 15:28:57 1995  
Date: Tue, 25 Apr 1995 14:00:24 -0500  
Message-Id: <Pine.LNX.3.91.950425125205.22062A-100000@thelair.zynet.com>  
From: johnb@thelair.zynet.com  
Subject: third party built Viking II

Just took receipt of a slightly tweaked (thank you UPS!) Viking II, and while surveying the damage, I was suprised to see:

Wired by CH Nelson Company  
Waseca Minn

Evidently "factory wired" Vikings were sub-ed out to third parties!

/john

PS: Anyone have a manual they'd copy for me? I'd very gladly reimburse you for all charges.

John M. Brewer wb5oau  
johnb@thelair.zynet.com

From boatanchors@theporch.com Tue Apr 25 03:34:37 1995  
Date: Tue, 25 Apr 1995 02:06:07 -0500  
Message-Id: <Pine.PCW.3.91.950424203228.10151A-100000@dip076.pixi.com>  
From: Dave Creek <dcreek@pixi.com>  
Subject: Re: TV7/B test specs needed

On Mon, 24 Apr 1995, Mark Shaum wrote:

> While making the rounds of the more recent Knight-Kits that are finally  
> getting some attention around here, I've discovered that the test data

> booklet for my venerable TV-7/B is definitely dated. If someone could  
> re-post with a source for a newer booklet, I'd appreciate it.  
>  
> In the meantime, to help me troubleshoot a low-gain R100A, I could use the  
> test specs for the following tubes from a recent TV-7 booklet:  
>  
> 6AW8A  
> 6AZ8  
> 6BH8  
> 6BZ6  
>  
> Now that I have my tube boxes and cartons from AES, every bottle in the  
> shack is getting tested. Receiving tubes in the TV/7, transmitting bottles  
> in a test jig with a resistive load.

This has been a constant problem with the TV-7 series tube testers.  
Especially with commercial series tubes ie. the non 4 digit tubes.  
In my 20+ years in the USAF, including 8 years as a calibration  
technician in various calibration labs I calibrated, repaired and used  
all models of the TV-7. Updated charts were very hard to come by,  
frequently, typewritten sheets were included that gave settings for the  
newer tubes. This data was usually extracted from changes to the  
operating and maintenance Tech Orders for the equipment.  
There was a rumor that tubes used mainly in television sets were  
purposely excluded from the listings.

One solution is to obtain a TV-2. This is a much larger unit and a lot of  
technicians didn't like them due to the more elaborate set up, but this  
is a big advantage when testing tubes for quality.  
Among many advantages of the TV-2 are these:

The selection of base pin versus tube function read directly.

Each major voltage applied to the tube is individually adjustable and  
is read on a seperate meter.

The quality meter reads directly in micromho's.

There is NO \*%\$#@/? fuse lamp.

This is a very good instrument for matching tubes.

If there is no listing for a given tube, it is very simple to set all  
the parameters using a tube manual.

I hope this is some help,

Dave Creek, NH6BA

Ewa Beach, HI  
dcreek@pixi.com

From boatanchors@theporch.com Tue Apr 25 14:10:43 1995  
Date: Tue, 25 Apr 1995 12:42:01 -0500  
Message-Id: <F4PC3711.F4PC3723@mail.admin.wisc.edu>  
From: TOM.A.ADAMS@mail.admin.wisc.edu  
Subject: Unknown Hallicrafters?

to: boatanchors@theporch.com

Greetings, Troops.

I was thumbing thru a newly acquired copy of the July, 1941 QST last night, and saw an ad that definitely caught my attention, in fact, SEVERAL of them, all for the same item, but from various distributors.

Anybody ever hear of a Hallicrafter's SX-32 receiver?

From the pictures, this thing is a dead ringer for the famous SX-28 "Super Sky rider". I thought it might just BE an SX-28 which was renumbered for some reason, but later in the issue I saw an ad for the SX-28.

What gives here???

73's,

Tom "Mr. T." Adams, K9TA (outa here till  
4 May 95; Dayton, HERE I COME!)

From boatanchors@theporch.com Tue Apr 25 15:11:27 1995  
Date: Tue, 25 Apr 1995 13:42:16 -0500  
Message-Id: <199504251839.0AA09103@espresso.eng.umd.edu>  
From: Philip Gwynne McCoy <dgnova@Glue.umd.edu>  
Subject: VHF ARC-5

The original version of the AN/ARC-5 was the USNavy  
RAT and RAV receiver groups. From memory the frequency  
range was:  
190-550kc  
550-1500kc  
1500 3000kc  
3000 to 6000kc  
6000 to 9100kc  
9100 to 13500kc  
13500 to 20000kc  
20000 to 27000kc

The sets were essentially the same as the ARA,ATA ,SCR274-N groups.

-----  
There were a very small number of VHF receivers made. Do not confuse these with the later versions that were painted gray. These were painted black crackle. I forget the exact frequency range but it was something like this:  
100 to 115mc  
115 to 130mc  
I definitely remember that they started at 100mc.

>Reply-To: KANAMAA%AMGATE%MATRXA@randb.abbott.com  
>From: KANAMAA%AMGATE%MATRXA@randb.abbott.com  
>Subject: Rare ARC 5's  
>From: Kana, Michael (D9CY)  
>Subject: Rare ARC 5's

>Re the earlier thread about ARC 5 collections, has anyone ever come across the ARC 5 receivers that tune above 9mhz? I heard they

From boatanchors@theporch.com Tue Apr 25 02:05:27 1995  
Date: Tue, 25 Apr 1995 00:38:07 -0500  
Message-Id: <199504250532.WAA29116@mailhost.primenet.com>  
From: nx7u@primenet.com (Scott Townley)  
Subject: WANTED:Stoddard Field Meters

Looking for Stoddard Field Intensity Meters for the MF/HF/VHF/UHF frequency ranges, like NM-10, NM-20, NM-30, NM-40 series. Or accessories, antennas, etc.

Reply directly to nx7u@primenet.com  
thanks!

From boatanchors@theporch.com Tue Apr 25 13:28:38 1995  
Date: Tue, 25 Apr 1995 11:58:56 -0500  
Message-Id: <9503257988.AA798828946@CCGATE.HAC.COM>  
From: jcreid@CCGATE.HAC.COM  
Subject: Water-cooled TV tubes

The ongoing thread about white stuff inside tubes reminds of some interesting tubes my friend and I discovered. This friend hoarded tubes like crazy storing everything he could find in 55 gallon drums. A lot of these drums were stored outside with less than adequate protection from the elements. One afternoon we were searching for a horizontal output tube for an old television. After digging about halfway thru one of the drums, my friend discovered that it wasn't such a great storage system. The thing was half-filled with water. All the tubes that were submerged had rusted pins and all kinds of nasty stuff on the envelopes. We did find a couple of neat output tubes. Apparently they must have developed a micro-crack in the glass and sucked up the water over a period

of time because the inside of the tube was completely filled with no visible means of entry. I still have them in the garage right next to the broken 6AQ5 that my buddy "re-labeled" 4Q2.

-Jim

From boatanchors@theporch.com Tue Apr 25 11:18:47 1995  
Date: Tue, 25 Apr 1995 09:48:55 -0500  
Message-Id: <9504251445.AA14059@speckle.ncsl.nist.gov>  
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)  
Subject: Re: White stuff inside?

>On Sat, 22 Apr 1995, Jeffrey Herman wrote:

>

>> Hi Jim,

>> You've got an extremely rare and valuable tube on your hands.

Actually, the truth is even more obscure. Only a few of us here in Washington have learned the facts of the case. It was a super-quiet research project conducted at a secure facility near here (which, of course, must remain unnamed).

The trouble started many years ago during one of those "conflicts" our government got the country into. Tube life was hard to predict. In the middle of an important offensive, equipment would fail, leading to the unfortunate loss of our "boys".

In time, the research determined that tube failure was related to gas being evolved in the envelope. An indicator system was needed to detect the presence of gas, and the little flakes were one attempt at such an indicating system. The idea was that if there's enough gas to make the flakes flutter instead of fall straight, the tube needed to be replaced.

Highly placed sources would neither confirm nor deny that boiling water was used in evacuating the sample tubes used in the project.

Final results of the study are still kept from public view. Eventually, further information may be released so we can learn the truth about this important chapter in our struggles for national security and democracy throughout the world.

--

Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
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From boatanchors@theporch.com Tue Apr 25 13:52:39 1995  
Date: Tue, 25 Apr 1995 12:20:14 -0500  
Message-Id: <Pine.LNX.3.91.950425111456.19080A-1000000@thelair.zynet.com>  
From: johnb@thelair.zynet.com  
Subject: Re: White stuff inside? (fwd)

I think given some of these responses, that certain of  
you have been SNIFFING some white stuff!!!

: -)  
: -)  
/john

John M. Brewer wb5oau  
johnb@thelair.zynet.com  
----- Forwarded message -----  
Date: Tue, 25 Apr 1995 11:21:44 -0500  
>From: Gable, Edward M <emg@rfpo2.rfc.comm.harris.com>  
To: Multiple recipients of list <boatanchors@theporch.com>  
Subject: Re: White stuff inside?

>On Sat, 22 Apr 1995, Jeffrey Herman wrote: What;s white stuff ?  
\*\* and Roy Morgan replied  
>> Hi Jim,  
>> You've got an extremely rare and valuable tube on your hands.  
Actually, the truth is even more obscure. Only a few of us here in  
Washington have learned the facts of the case. It was a super-quiet  
research project conducted at a secure facility near here (which, of  
course, must remain unnamed).

-----  
No, No, Roy, you have it wrong.... My source is much more authentic  
than yours, but if I tell you, I'll have to kill you...

If you do a Perato Analysis of the tubes with "white stuff" and their  
date codes, you will find they clearly fall into the range of the early  
1950's. You remember, McCarthy'ism. Yes, "white stuff" was the  
direct result of a communist plot ! True. The records are sealed but  
I remember enough from my involvement in an obscure McCarthy

government office, the Honorable Office Looking Inward for Sympathetic Hoards of Individual Traitors (HOLISHIT). There, it was brought to our attention that early Raytheon NIKE HERC radars were failing at a very low MTBF. It was discovered that tubes were failing do to "white stuff" (De-hydrated Peroxide of Mercury) AND that the tubes were supplied by the lowest bidder - way lower than anyone else; the COBTIK company, with main offices a PO Box number in Luximberg. An intense investigation revealed that COBTIK was a spin-off of Tube Company in Siberia and that COBTIK stood for "Communist Built Tubes of Inferior Quality." The red box, complete with a symbol consisting of a rounded implement for cutting wheat, along with the often confused Eastern substituting of a K for a Q, should have been a give away. None-the-less, many COBTIK tubes found there way into this country. So embarrassed were the officials that the tubes were hurridly re-branded and put on the surplus market where unsuspecting Hams bought them and squirreled 'em away. A real find (and I'll offer \$500 bucks for any version) is an original marked COBTIK tube. (\$700 bucks if in the original red box, and \$800 if in the box and with a large floating supply of De-hydrated Peroxide of Mercury) Now that's the true story of floating white stuff in tubes....

Ed K2MP @ Rochester